Amendments to the claims:

1(Original) An apparatus for the downloading of a code image to a wireless receiver, said apparatus having:

a Sequence Controller generating a ROM controller output and a CPU enable output;

a ROM for the storage of a boot image;

a DMA controller responsive to a SRC, DST, and LENGTH, said DMA controller copying data from a source specified by SRC to a destination specified by DST for a duration specified by LENGTH;

a ROM controller coupled to said ROM, said ROM controller initializing said DMA controller upon assertion of said ROM controller output by copying said SRC, said DST, and said LENGTH from the contents of said ROM;

a memory responsive to said DST;

a CPU coupled to said memory, said CPU enabled upon the assertion of said CPU enable output;

said CPU enable output asserted after said DMA controller has copied said ROM data to said memory;

a wireless front end coupled to said CPU, said CPU downloading an operating system image for use by said CPU.

2(Original) The apparatus of claim 1 where said memory is a static random access memory.

3(Original) The apparatus of claim 1 where said memory is a dynamic random access memory.

4(Original) The apparatus of claim 2 where said static random access memory is addressed by said SRC.

5(Original) The apparatus of claim 3 where said CPU downloads said operating system image into said dynamic random access memory.

6(Original) The apparatus of claim 1 where said sequence controller uniquely asserts said ROM controller output and said CPU enable output.

7(Original) The apparatus of claim 1 where said sequence controller first asserts said ROM controller output, and asserts said CPU enable output after completion of copying of said LENGTH from said SRC to said DST.

8(Original) The apparatus of claim 1 where said boot image includes instructions for:

sending a download request;

receiving a packet accompanied by a sequence number;

discarding a packet with the same sequence number as an earlier-received packet;

accepting a packet with a unique sequence number;

sending a download request if a gap in sequence numbers is detected.

9(Original) The apparatus of claim 1 where a download server with a wireless interface receives a download request from a wireless client and responds to said download request by:

sending download data including a sequence number, each download data comprising an original packet and a duplicate packet each including said sequence number;

incrementing the sequence number for each subsequently sent download data;

upon sending all said download data, thereafter sending a "done" packet indicating completion of the download.

10(Original) A process for the downloading of wireless code to a receiver, said process comprising:

a first step of copying a SRC, DST, and a LENGTH from a ROM to a DMA controller;

a second step of said DMA controller copying additional data from said ROM responsive to said SRC address to a memory responsive to said DST address;

a third step of a CPU executing instructions located in said memory;

a fourth step of said CPU downloading an operating system from a remote host.

11(Original) The process of claim 10 where said SRC address selects said ROM and said LENGTH defines a contiguous region of said ROM.

12(Original) The process of claim 10 where said DST corresponds to an address of a region in said memory.

13(Original) The process of claim 10 where said third step said CPU instructions includes the instructions for:

transmitting a download request;

receiving a packet accompanied by a sequence number;

discarding a packet with the same sequence number as an earlier-received packet;

accepting a packet with a unique sequence number;

sending a download request if a gap in sequence numbers is detected.

14(Original) The process of claim 10 where said fourth step includes:

sending a download request;

receiving a packet accompanied by a sequence number;

discarding a packet with the same sequence number as an earlier-received packet;

accepting a packet with a unique sequence number;

sending a download request if a gap in sequence numbers is detected.

15(Original) The process of claim 10 where said remote host responds to said download request by:

sending download data including a sequence number, each download data comprising an original packet and a duplicate packet each including said sequence number;

incrementing the sequence number for each subsequently sent download data;

upon sending all said download data, thereafter sending a "done" packet indicating completion of the download.

16(Original) The process of claim 15 where said download data includes an operating system for use by said CPU.

17(Original) The process of claim 10 where said original and said duplicate packet are not interleaved.

18(Original) The process of claim 10 where said original and said duplicate packet are interleaved.

19(Original) The process of claim 10 where said duplicate packet includes a plurality of packets, each said packet having the same said Tx_Seq_Num as said original packet.

20(Withdrawn) A process responsive to a download request, said process for transmitting packets from a wireless transmitter, said process including the steps:

transmitting data comprising an original and a duplicate packet, each said packet having a Tx_Seq_Num, each subsequent data having a Tx_Seq_Num which is unique;

transmitting a DONE packet after transmission of all prior said data.

21(Withdrawn) The process of claim 20 where said original packets are transmitted in sequence, each accompanied by said Tx_Seq_Num, followed by said DONE packet, followed by said duplicate packet accompanied by said Tx_Seq_Num, followed by said DONE packet.

22(Withdrawn) The process of claim 20 where said data is transmitted sequentially, such that each said original packet is followed by said duplicate packet, each said original and said duplicate packet having said Tx_Seq_Num which is unique.

23(Withdrawn) The process of claim 20 where said unique Tx_Seq_Num includes each said data having said Tx_Seq_Num which is incremented.